



**INFORMATION DISCLOSURE  
CITATION IN AN  
APPLICATION**

mailed on: March 12, 2010

Application No.  
10/578,171

Inventors  
Ulrike W. Klueh et al.

Title  
Artificial Tissue Systems and Uses Thereof

Filing Date  
May 4, 2006

Group Art Unit  
1633

Docket No.  
MTT/101/PC/US

**UNITED STATES PATENT DOCUMENTS**

| Examiner Initial | Document No.    | Date     | Name               | Class |
|------------------|-----------------|----------|--------------------|-------|
|                  | 2003/0087311 A1 | 05-08-03 | Wolf               |       |
|                  | 2005/0031689 A1 | 02-10-05 | Shults et al.      |       |
|                  | 4,685,900       | 08-11-87 | Honard et al.      |       |
|                  | 4,715,858       | 12-29-87 | Lindstrom          |       |
|                  | 5,653,755       | 08-05-97 | Ledergerber        |       |
|                  | 5,798,113       | 08-25-98 | Dionne et al.      |       |
|                  | 5,814,091       | 09-29-98 | Dahlberg et al.    |       |
|                  | 5,834,001       | 11-10-98 | Dionne et al.      |       |
|                  | 6,328,762 B1    | 12-11-01 | Anderson et al.    |       |
|                  | 6,716,246 B1    | 04-06-04 | Gonzalez           |       |
|                  | 6,884,428 B2    | 04-26-05 | Binette et al.     |       |
|                  | 7,048,856 B2    | 05-23-06 | Fissell, IV et al. |       |
|                  | 7,163,920 B2    | 01-16-07 | Dhanaraj et al.    |       |
|                  | 7,396,537 B1    | 07-08-08 | Krupnick et al.    |       |
|                  |                 |          |                    |       |

**OTHER DOCUMENTS** (Including Author, Title, Date, Pertinent Pages, Etc.)

| Examiner Initial |  |
|------------------|--|
|                  | Maragoudakis et al., "Basement membrane biosynthesis as a target for developing inhibitors of angiogenesis with anti-tumor properties.," <u>Kidney Int.</u> , 1993 Jan;43(1):147-50, Abstract  |
|                  | Grant et al., "Interaction of endothelial cells with a laminin A chain peptide (SIKVAV) in vitro and induction of angiogenic behavior in vivo.," <u>J Cell Physiol.</u> 1992 Dec;153(3):614-25, Abstract                                   |
|                  | Kibbey et al., "Role of the SIKVAV site of laminin in promotion of angiogenesis and tumor growth: an in vivo Matrigel model.," <u>J Natl Cancer Inst.</u> , 1992 Nov 4;84(21):1633-8, Abstract   |
|                  | Passaniti et al., "A simple, quantitative method for assessing angiogenesis and antiangiogenic agents using reconstituted basement membrane, heparin, and fibroblast growth factor.," <u>Lab Invest.</u> , 1992 Oct;67(4):519-28, Abstract |

|   |  |                                     |                             |
|---|--|-------------------------------------|-----------------------------|
| INFORMATION DISCLOSURE<br>CITATION IN AN<br>APPLICATION | Application No.<br>10/578,171  | Inventors<br>Ulrike W. Klueh et al. |                             |
|   | Title<br>Artificial Tissue Systems and Uses Thereof  |                                     |                             |
|   | Filing Date<br>May 4, 2006   | Group Art Unit<br>1633              | Docket No.<br>MTT/101/PC/US |
| mailed on: March 12, 2010                               |  |                                     |                             |
|   | Kaneko, "[Relationship between endothelial cells and extracellular matrix: investigation using the model of angiogenesis in vitro]," <u>Nippon Geka Hokan</u> , 1992 Mar 1;61(2):134-49, Abstract  |                                     |                             |
|   | Jerdan et al., "Extracellular matrix of newly forming vessels—an immunohistochemical study," <u>Microvasc Res.</u> , 1991 Nov;42(3):255-65, Abstract   |                                     |                             |
|   | Schultz et al., "Neovascular growth factors," <u>Eye (Lond.)</u> , 1991;5 (Pt 2):170-80, Abstract  |                                     |                             |
|   | Nicosia et al., "Modulation of microvascular growth and morphogenesis by reconstituted basement membrane gel in three-dimensional cultures of rat aorta: a comparative study of angiogenesis in matrigel, collagen, fibrin, and plasma clot," <u>In Vitro Cell Dev Biol.</u> , 1990 Feb;26(2):119-28, Abstract |                                     |                             |
|   | Brasken et al., "Fibronectin, laminin, and collagen types I, III, IV and V in the healing rat colon anastomosis," <u>Ann Chir Gynaecol.</u> , 1990;79(2):65-71, Abstract   |                                     |                             |
|   | Mori et al., "Capillary growth from reversed rat aortic segments cultured in collagen gel," <u>Acta Pathol Jpn.</u> , 1988 Dec;38(12):1503-12, Abstract  |                                     |                             |
|   | Maragoudakis et al., "Inhibition of basement membrane biosynthesis prevents angiogenesis," <u>J Pharmacol Exp Ther.</u> , 1988 Feb;244(2):729-33, Abstract   |                                     |                             |
|   | Folkman et al., "A heparin-binding angiogenic protein—basic fibroblast growth factor—is stored within basement membrane," <u>Am J Pathol.</u> , 1988 Feb;130(2):393-400, Abstract  |                                     |                             |
|   | Maragoudakis et al., "Rate of basement membrane biosynthesis as an index to angiogenesis," <u>Tissue Cell.</u> , 1988;20(4):531-9, Abstract  |                                     |                             |
|   | Form et al., "Endothelial cell proliferation during angiogenesis. In vitro modulation by basement membrane components," <u>Lab Invest.</u> , 1986 Nov;55(5):521-30, Abstract   |                                     |                             |
|   | Apaja-Sarkkinen et al., "Immunohistochemical study of basement membrane proteins and type III procollagen in myelofibrosis," <u>Br J Haematol.</u> , 1986 Jul;63(3):571-80, Abstract   |                                     |                             |
|   | Kalebic et al., "Basement membrane collagen: degradation by migrating endothelial cells," <u>Science.</u> , 1983 Jul 15;221(4607):281-3, Abstract  |                                     |                             |
|   | Glaser et al., "Degradation of basement membrane components by vascular endothelial cells: role in neovascularization," <u>Ciba Found Symp.</u> , 1983;100:150-62, Abstract  |                                     |                             |
|   | Oh et al., "VEGF and VEGF-C: Specific Induction of Angiogenesis and Lymphangiogenesis in the Differentiated Avian Chorioallantoic Membrane," <u>Developmental Biology</u> , 188, 96-102 (1997), Article No. DB978639   |                                     |                             |
|   | Ratner et al., " <u>Biomaterials Science: an Introduction to Materials in Medicine</u> ," 10 pp  |                                     |                             |
|   | Feldman et al., "A Continuous Glucose Sensor Based on Wired Enzyme™ Technology – Results from a 3-Day Trial in Patients with Type 1 Diabetes," <u>Diabetes Technology &amp; Therapeutics</u> , Volume 5, November 5, 2003, 769-779   |                                     |                             |
|   |  |                                     |                             |
|   |  |                                     |                             |

|   |   |                                     |                             |
|---|---|-------------------------------------|-----------------------------|
| <b>INFORMATION DISCLOSURE<br/>CITATION IN AN<br/>APPLICATION</b><br><br>mailed on: March 12, 2010   | Application No.<br>10/578,171                       | Inventors<br>Ulrike W. Klueh et al. |                             |
|   | Title<br>Artificial Tissue Systems and Uses Thereof |                                     |                             |
|   | Filing Date<br>May 4, 2006                          | Group Art Unit<br>1633              | Docket No.<br>MTT/101/PC/US |
| Examiner  | Date Considered                                     |                                     |                             |
| /James Schultz/ (03/16/2011)  |   |                                     |                             |
| <b>EXAMINER:</b> Initial if citation considered, whether or not citation is in conformance with MPEP §609; Draw line through citation if not in conformance and not considered. Include copy of this form with next communication to the applicant. |   |                                     |                             |

G:\AYR saved docs\Filing Docs\MTT\mtt101pcus\mtt101pcus IDS 031210.doc

ALL REFERENCES CONSIDERED EXCEPT WHERE LINED THROUGH. /JDS/